

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model  
Run on: June 30, 2002, 21:02:21 ; Search time 415.2 Seconds

Title: US-09-303-518D-465  
(without alignments)  
Perfect score: 988,568 Million cell updates/sec  
Sequence: 1 tttggcattcccgcaaat.....gaaagattacacacaaatga 1671

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 38353 segs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 100 summaries

Database :  
1: /cgn2\_6/ptodata/1/lna/5A.COMB.seq.\*  
2: /cgn2\_6/ptodata/1/lna/5B.COMB.seq.\*  
3: /cgn2\_6/ptodata/1/lna/6A.COMB.seq.\*  
4: /cgn2\_6/ptodata/1/lna/6B.COMB.seq.\*  
5: /cgn2\_6/ptodata/1/lna/PC/US.COMB.seq.\*  
6: /cgn2\_6/ptodata/1/lna/PC/US.COMB.seq.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result	No.	Score	Query Match	Length	ID	Description
C 1	40.4	2.4	7218	1	US-08-232-463-14	Sequence 14, Appl
C 2	39.8	2.4	390	4	US-09-197-649-7	Sequence 7, Appl
C 3	38.6	2.3	882	4	US-08-818-112-138	Sequence 138, App
C 4	38.6	2.3	882	4	US-08-818-111-133	Sequence 133, App
C 5	38.6	2.3	882	4	US-09-056-556-138	Sequence 138, App
C 6	37	2.2	816	2	US-07-637-865-1	Sequence 1, Appl
C 7	37	2.2	4403765	4	US-09-103-840A-2	Sequence 179, App
C 8	36.6	2.2	400	4	US-09-056-556-179	Sequence 1, Appl
C 9	36.6	2.2	4411529	4	US-09-103-840A-1	Sequence 179, App
C 10	35.8	2.1	1948	1	US-07-849-438-1	Sequence 1, Appl
C 11	35.8	2.1	8133	1	US-08-480-604A-5	Sequence 5, Appl
C 12	35.8	2.1	8133	1	US-08-405-496A-5	Sequence 5, Appl
C 13	35.8	2.1	8133	4	US-08-915-136-5	Sequence 5, Appl
C 14	35.8	2.1	4403765	4	US-09-103-840A-2	Sequence 5, Appl
C 15	35.4	2.1	3083	1	US-07-718-575-5	Sequence 5, Appl
C 16	35.4	2.1	3083	1	US-08-481-206-5	Sequence 5, Appl
C 17	35.4	2.1	3083	2	US-08-481-206-5	Sequence 5, Appl
C 18	35.2	2.1	1155	2	US-08-387-942C-18	Sequence 5, Appl
C 19	35.2	2.1	1155	2	US-08-387-942C-18	Sequence 5, Appl
C 20	35.2	2.1	1155	2	US-08-387-942C-18	Sequence 5, Appl
C 21	35.2	2.1	12588	2	US-08-387-942C-21	Sequence 21, Appl
C 22	35.2	2.1	942	3	US-08-732-412-1	Sequence 7, Appl
C 23	33.6	2.0	1155	2	US-08-387-942C-20	Sequence 1, Appl
C 24	33.6	2.0	4200	1	US-07-841-654B-1	Sequence 20, Appl
C 25	33.6	2.0	4200	1	US-07-841-654B-1	Sequence 1, Appl
C 26	33.6	2.0	4200	1	US-08-123-161A-1	Sequence 1, Appl
C 27	33.6	2.0	4200	1	US-08-483-278-1	Sequence 1, Appl





us-09-303-518d-465.rml

Mon Jul 1 09:26:01 2002

OY 650 cgggcaatgcccgcgaagcttcaagcgacatcgtcaaaaacatcgcgcg 709  
 DB 660 CCGACGCGACGACGCCGACGACCAACCAACAGATGCCAACCCAGCAGACCGCTG 719  
 OY 710 cggcagagagaattgtcgcgcgaagcgatgcgcg 742  
 DB 720 GCCCGCGACGAGCGGTGCGCGCTCCGACGCG 752

RESULT 5  
 US-09-056-138  
 Sequence 138, Application US/09056556

GENERAL INFORMATION:  
 PATENT No. 6350456  
 APPLICANT: Reed, Steven G.  
 APPLICANT: Skelky, Yasir A.W.  
 APPLICANT: Dillon, David C.  
 TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE PREVENTION AND  
 NUMBER OF SEQUENCES: 241  
 CORRESPONDENCE ADDRESS: 241  
 ADDRESS: SEED and BERRY LLP  
 STREET: 6300 Columbia Center, 701 Fifth Avenue  
 CITY: Seattle  
 STATE: Washington  
 COUNTRY: USA  
 ZIP: 98104-7092

TREATY

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/056,556  
 FILING DATE: 07-APR-1998  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Makl, David J.  
 REGISTRATION NUMBER: 31,392  
 REFERENCE/DOCKET NUMBER: 210121.457  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 682-4900  
 TELEFAX: (206) 682-6031  
 INFORMATION FOR SEQ ID NO: 138:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 882 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 US-09-056-556-138

Query Match 2.3%; Score 38.6; DB 4; Length 882;  
 Best Local Similarity 44.7%; Pred. No. 0.073;  
 Matches 149; Conservative 0; Mismatches 184; Indels 0; Gaps 0;

OY 410 atccgcgcgaagctatgacgagcgagcggtatcccgctcccaagcgcg 469  
 DB 420 ACCACGTGCGGCGACGCGCGCGGACGACGCGCGGAGGACGCGCGCA 479  
 OY 470 gggatatacaagctacgacataaagcggtgtgccaataatcgcctcaactcagc 539  
 DB 480 ACGAGCGCGCGGACGACGCGGTGACGACGCGCGGACGACGCGCGCGG 589  
 OY 530 acaacgcgacgacgagcggtgtgacgacgtttccacatccggtatgtgtga 589  
 DB 540 ACCAGCGCGACGACGCGGTGCGCGCGGACGCGCGCGGACGCGCGG 599  
 OY 590 cggagagagtaagcgagatcacaagcgacccgacatacagcccgagctgagcagat 649  
 DB 600 ACCGTGCGCGCGACGCGGTGCTCCAGCGCGCGGACGCGCGGACGCGGTGCTCGCGAG 659

OY 650 cgggcaatgcccgcgaagcttcaagcgacatcgtcaaaaacatcgcgcg 709  
 DB 660 CCGACGCGACGACGCCGACGACCAACCAACAGATGCCAACCCAGCAGACCGCTG 719  
 OY 710 cggcagagagaattgtcgcgcgaagcgatgcgcg 742  
 DB 720 GCCCGCGACGAGCGGTGCGCGCTCCGACGCG 752

RESULT 6  
 US-07-637-865-1  
 Sequence 1, Application US/07637865

GENERAL INFORMATION:  
 PATENT No. 5942427  
 APPLICANT: Otake, Hideko  
 APPLICANT: Koyama, Yasuji  
 APPLICANT: Horinuchi, Tatsuo  
 APPLICANT: Nakano, Eiichi  
 TITLE OF INVENTION: N-Acetylmannosamine Dehydrogenase Gene and  
 TITLE OF INVENTION: N-Acetylmannosamine Dehydrogenase  
 TITLE OF INVENTION: Production of N-Acetylmannosamine Dehydrogenase  
 NUMBER OF SEQUENCES: 2  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Banner, Birch, McKie & Beckett  
 STREET: One Thomas Circle, NW  
 CITY: Washington  
 STATE: DC  
 COUNTRY: USA  
 ZIP: 20005

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.24  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/637,865  
 FILING DATE: 19901227  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA: JP 01-338267  
 APPLICATION NUMBER: 28-DEC-1989  
 FILING DATE: 28-DEC-1989  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Skerpon, Joseph M.  
 REGISTRATION NUMBER: 29,864  
 REFERENCE/DOCKET NUMBER: 0118.033382  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-296-7830  
 TELEFAX: 202-296-7830  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 816 base pairs  
 TYPE: NUCLEIC ACID  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 ORIGINAL SOURCE:  
 ORGANISM: Flavobacterium sp. No. 5942427 141-8  
 STRAIN: Flavobacterium sp.  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 1..813  
 OTHER INFORMATION:

Query Match 2.2%; Score 37; DB 2; Length 816;  
 Best Local Similarity 46.1%; Pred. No. 0.21;  
 Matches 124; Conservative 0; Mismatches 145; Indels 0; Gaps 0;

OY 481 agctacacataaagcggttgcacaaatcgcgtcactcgcgcgacgacgacg 540  
 DB 160 ACCGCTACGAGAACCGCGCGCATTCGATCGCTCGACCTTGCAGCGCGCGCG 219



Qy	720	aattgctcgcgccagcgcatgctcggtcaggggtatagaacgcgaagc	762
Db	323	CGGCGGCAACGGCGGCAACGGCGGCAAAAGCGGCAACGGCGGC	365

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RESULT      9
US-09-103-840A-1/C
: Sequence 1, Application US/09103840A
: Patent No. 6294328
: GENERAL INFORMATION:
: APPLICANT: FLEISCHMAN, Robert D.
: APPLICANT: WHITE, Owen R.
: APPLICANT: PRASER, Claire M.
: APPLICANT: VENTER, John C.
: TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
: FILE REFERENCE: 24366-20007.00
: CURRENT APPLICATION NUMBER: US/09/103.840A
: CURRENT FILING DATE: 1998-06-24
: NUMBER OF SEQ ID NOS: 2
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 1
: LENGTH: 4411529
: TYPE: DNA
: ORGANISM: Mycobacterium tuberculosis
: OTHER INFORMATION: H37Rv
: US-09-103-840A-1

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Query Match	2.2%;	Score 36.6;	DB 4;	Length 4411529;
Best Local Similarity	42.6%;	Pred. No. 38;		
Matches 193;	Conservative	0;	Mismatches 260;	Indels 0;
			Gaps	0;

QY 263 tcgagctaatcgttcgcgtcttccgcgtacacagggcaagaagtcattccccccttcgcacac 322  
Db 2923032 TTGGCCGCCATTGGCAGAGCATGCGCCGTTGCGCGGCGTTCGCCCGCTCCACCGACGCG 29222973  
QY 323 atgcctcacatctcgcgtattctgtatgaagccgcgtagtcctcgtltgacgattcagccttaac 382  
Db 2922972 ATACTAAACAGCGCGCCACGCTCACCGCGCGCACCGGCATTGGCCATGGCCACCAAGTCCAAACGACT 29222913  
QY 383 gcatcatctggtagaggtatcgaacaccatcccgcccggaagcggtatgtacggtgccacagggcg 442  
Db 2922912 GTGGCGCGCGCGGACCGCCGCGCACCGCGCGGCCGCCAAGCGCGATCAGCGCGCGCCCTCG 2922853  
QY 443 ggcgcattccgcgtcccaaaaggcgcgaggtatatactacgtactcgcagacataaaaggcgtltg 502  
Db 2922852 CCGGCCCTTGCGCGCCCAAGACCGCCCGACGCGCTTGCGCCACAGTTGAGCGGCGAACCGCCGATG 2922793  
QY 503 cccaaataatccgcgtcctaactgcgtacgcgacacgcgacgcgagacacgagcgtltgtgcac 562  
Db 2922792 CCGCGCGCGCGCGCGGCCGCCCAAGCGCGATCAGCGCGCGCGCCGTCGCGCCCGCCCGCC 2922733  
QY 563 gttccacaaataacgcgttagtatgtcgtcgcgacaaaggagttagcgcgattcaaacgcgcga 622  
Db 2922732 GCGCGCGCGGTGCGCTTTGGAGCGCGCCACCGAGCGCGCGGAACCGCGCCGCGCGCTGCG 2922673  
QY 623 cccgatacagcccgagcgtgcagagtgcggaatgcgcgcgaagcgttcaacggaactg 682  
Db 2922672 ATGAGCACAGCGCGCGCGCCGCCCGACGCGCGCGTCGCGCGCGGACTTTCCCGCAAGCGC 2922613  
QY 683 cagatcatgctcaaaaacatcatcgcgcgcgag 715  
Db 2922612 CCGAGCGCGCGGAGCGCGCCCTCGGCGGTAGCGC 2922580

RESULT 10  
US-07-849-438-1  
; Sequence 1, Application US/07849438  
; Patent No. 5459034  
; GENERAL INFORMATION:  
; APPLICANT: TABAQCHALI

TITLE OF INVENTION: C. Difficile Specific Oligonucleotides  
 NUMBER OF SEQUENCES: 2  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: 3i Research Exploitation Limited  
 STREET: The Gate House, 2 Park Street  
 CITY: Windsor  
 STATE: Berkshire  
 COUNTRY: U.K.  
 ZIP: SL4 1LU  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/849,438  
 FILING DATE: 19920519  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: GB 8929293.2  
 FILING DATE: 29-DEC-1989  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1948 base pairs  
 TYPE: NUCLEIC ACID  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA (genomic)  
 ORIGINAL SOURCE:  
 ORGANISM: Clostridium difficile  
 US-07-849-438-1

Query Match	2.1%;	Score 35.8;	DB 1;	Length 1948;
Best Local Similarity	48.3%;	Pred. No. 0.86;		
Matches 100;	Conservative 0;	Mismatches 107;	Indels 0;	Gaps 0;

QY	1452	taaataatcctctcccttcgaacgcgcgtcccaaaagaccataatggatctggatba	1511
QY	1452	taaataatcctctcccttcgaacgcgcgtcccaaaagaccataatggatctggatba	1511
Db	192	TTAATCTAACCTCTGTGAGCAGCTACTGCGATGGCAACCTATTGATGGTAAAAAATTATTA	251
QY	1512	attggttaatgaatggaactaaaggtccatcaagaactaaagtcaagaatttgaatggga	1577
Db	252	CTTTAATCTAACACCTGCTGAGCAGCTACTGCGATGGCAACCTATTGATGGTAAAAAATA	311
QY	1572	tgttcaattgtctaaacaaggaagaagagcaacttgaatgggctcagtaaggatggtaaga	1633
Db	312	TTACTTTAATCTAACACCTGCTAAGGCTTCAACTCGTTATATCAATTATTAATGGTAACA	371
QY	1632	tttaatatatcaatgatggaagaat	1658
Db	372	TTTTATTTTAATCTGATGTTATTAT	398

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11 RESULT
12 US-08-480-604A-5
13 ; Sequence 5, Application US/08480604A
14 ; Patent No. 5736139
15 ; GENERAL INFORMATION:
16 ;
17 ; APPLICANT: KINK, JOHN A.
18 ;
19 ; APPLICANT: THALLEY, BRUCE S.
20 ;
21 ; APPLICANT: PADHYE, NISHA V.
22 ;
23 ; APPLICANT: FIRCA, JOSEPH R.
24 ;
25 ; APPLICANT: STAFOROD, DOUGLAS C.
26 ;
27 ; TITLE OF INVENTION: VACCINE AND ANTITOXIN FOR TREATMENT AND
28 ; PREVENTION OF C. DIFFICILE DISEASE
29 ;
30 ; TITLE OF INVENTION: PREVENTION OF C. DIFFICILE DISEASE
31 ;
32 ; NUMBER OF SEQUENCES: 32
33 ;
34 ; CORRESPONDENCE ADDRESS:
35 ;
36 ; ADDRESSEE: MEDLEN & CARROLL, LLP
37 ;
38 ; STREET: 220 MONTGOMERY STREET, SUITE 2200
39 ;
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42 ;
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45 ;
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CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/480,604A  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/422,711  
FILING DATE: 14-APR-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/405,496  
FILING DATE: 16-MAR-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/329,154  
FILING DATE: 25-OCT-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/161,907  
FILING DATE: 02-DEC-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/985,321  
FILING DATE: 04-DEC-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/429,791  
FILING DATE: 31-OCT-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: INGOLTA, DIANE E.  
REGISTRATION NUMBER: 40,027  
REFERENCE/DOCKET INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 8133 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..8130  
US-08-480-604A-5

Query Match 2.1%; Score 35.8; DB 1; Length 8133;  
Best Local Similarity 48.3%; Pred. No. 2.1;  
Matches 100; Conservative 0; Mismatches 107; Indels 0; Gaps 0;

QY 1452 taaataattactcttcctcgaacgcgtaccagaagacctaataatgatatattgataa 1511  
DB 6270 TAATTAATACTAAGCTGTAAGCACTACTGATGCGCAAACTATTGATGTAATAAATAATTA 6329  
QY 1512 attggtatgaatgagtaaaagtcacatcaagaactaaagtgcaagatttgatggga 1571  
DB 6330 CTTTAATACTAAGCTGTAAGCACTACTGATGCGCAAACTATTGATGTAATAAATAATTA 6389  
QY 1572 tgttcaattgtcctaaacaggaagagcaacttgatggctagtaggaatggaatgga 1631  
DB 6390 TTACTTTAATACTAAGCTGTAAGCTACTGATGCGCAAACTATTGATGTAATAAATAATTA 6449  
QY 1632 tttaatatataatgagtaaggaat 1658  
DB 6450 TTTTATTTAATACTGATGATATTAT 6476

RESULT 12

US-08-405-496A-5  
Sequence 5, Application US/08405496A  
Patent No. 5919665  
GENERAL INFORMATION:  
APPLICANT: WILLIAMS, JAMES A.  
TITLE OF INVENTION: VACCINE FOR CLOSTRIDIUM BOTULINUM  
TITLE OF INVENTION: NEUROTOXIN  
NUMBER OF SEQUENCES: 30  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/405,496A  
FILING DATE: 16-MAR-1995  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/329,154  
FILING DATE: 25-OCT-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/161,907  
FILING DATE: 02-DEC-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/985,321  
FILING DATE: 04-DEC-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/429,791  
FILING DATE: 31-OCT-1989  
ATTORNEY/AGENT INFORMATION:  
NAME: INGOLTA, DIANE E.  
REGISTRATION NUMBER: 40,027  
REFERENCE/DOCKET INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 8133 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..8130  
US-08-405-496A-5

Query Match 2.1%; Score 35.8; DB 2; Length 8133;  
Best Local Similarity 48.3%; Pred. No. 2.1;  
Matches 100; Conservative 0; Mismatches 107; Indels 0; Gaps 0;

QY 1452 taaataattactcttcctcgaacgcgtaccagaagacctaataatgatatattgataa 1511  
DB 6270 TAATTAATACTAAGCTGTAAGCACTACTGATGCGCAAACTATTGATGTAATAAATAATTA 6329  
QY 1512 attggtatgaatgagtaaaagtcacatcaagaactaaagtgcaagatttgatggga 1571  
DB 6330 CTTTAATACTAAGCTGTAAGCACTACTGATGCGCAAACTATTGATGTAATAAATAATTA 6389  
QY 1572 tgttcaattgtcctaaacaggaagagcaacttgatggctagtaggaatggaatgga 1631  
DB 6390 TTACTTTAATACTAAGCTGTAAGCTACTGATGCGCAAACTATTGATGTAATAAATAATTA 6449  
QY 1632 tttaatatataatgagtaaggaat 1658





QY 623 cccgatacagcccgagctgacagatcgcgagcgcgcgagcttcaacgacgacg 682  
|||||  
Db 2918780 ATGACACAGCGCCGCCGCCGACGCGCCGCTGCGCGCTTTCGCGGAAGCGC 2918721  
QY 683 cagatatacgaataacatcatcgagcgagcgag 715  
|||||  
Db 2918720 CCGAGCGCGCCGAGCGCGCCGCTGCGCGTACGCG 2918688

## RESULT 15

US-07-718-575-5  
; Sequence 5, Application US/07718575  
; Patent No. 5202257  
; GENERAL INFORMATION:  
; APPLICANT: Heinemann Ph.D., Stephen F.  
; APPLICANT: Boulter Ph.D., James R.  
; APPLICANT: Hollmann Ph.D., Michael NMN  
; APPLICANT: Bettler Ph.D., Bernhard NMN  
; APPLICANT: Jensen Ph.D., Jan E.  
; TITLE OF INVENTION: GLUTAMATE RECEPTOR COMPOSITIONS AND  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pretly, Schroeder, Brueggemann & Clark  
; STREET: 444 So. Flower St., Suite 2000  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: United States  
; ZIP: 90071-2921  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/718, 575  
; FILING DATE: 19910813  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Reiter Ph.D., Stephen E.  
; REGISTRATION NUMBER: 31192  
; REFERENCE/DOCKET NUMBER: P31 8962  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 535-9001  
; TELEFAX: (619) 535-8949  
; TELEX: 9103330318  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3083 base pairs  
; TYPE: NUCLEIC ACID  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: G1UR3  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 167..2833  
; US-07-718-575-5

Query Match 2.1%; Score 35.4; DB 1; Length 3083;  
Best Local Similarity 52.3%; Pred. No. 1.5;  
Matches 78; Conservative 0; Mismatches 71; Indels 0; Gaps 0;  
QY 200 gaacatacaaacgacatcagttgggcaacctgttcacccagcagcgccatgaagaa 259  
|||||  
Db 2810 GGAACAGAAAGTGTAAAGATCTAGGATCCCTTCCACACAGAACATGCAATGAGAGAA 2869  
QY 260 atacgcgtacatgtcgcgtttccgatacagcgagcaagaatccatcccttcgaca 319  
|||||  
Db 2870 ATCACTGAAAACGTGCTGCTTCAAGATCCTGAGCGCGGATTTCACTCCTCGTGTGCG 2929

QY 320 accatgctcacatcctcgcattctgatgaa 348  
|||||  
Db 2930 GGCAATGACACGAAATATGCTGATGATGATGCA 2958

## RESULT 16

US-08-481-206-5  
; Sequence 5, Application US/08481206  
; Patent No. 5739291  
; GENERAL INFORMATION:  
; APPLICANT: Heinemann Ph.D., Stephen F.  
; APPLICANT: Boulter Ph.D., James R.  
; APPLICANT: Hollmann Ph.D., Michael NMN  
; APPLICANT: Bettler Ph.D., Bernhard NMN  
; APPLICANT: Jensen Ph.D., Jan E.  
; TITLE OF INVENTION: GLUTAMATE RECEPTOR COMPOSITIONS AND  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pretly, Schroeder, Brueggemann & Clark  
; STREET: 444 So. Flower St., Suite 2000  
; CITY: Los Angeles  
; STATE: California  
; COUNTRY: United States  
; ZIP: 90071-2921  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/481, 206  
; FILING DATE: 530  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/013, 767  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Reiter Ph.D., Stephen E.  
; REGISTRATION NUMBER: 31192  
; REFERENCE/DOCKET NUMBER: P31 8962  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 535-9001  
; TELEFAX: (619) 535-8949  
; TELEX: 9103330318  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3083 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: G1UR3  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 167..2833  
; US-08-481-206-5

Query Match 2.1%; Score 35.4; DB 1; Length 3083;  
Best Local Similarity 52.3%; Pred. No. 1.5;  
Matches 78; Conservative 0; Mismatches 71; Indels 0; Gaps 0;  
QY 200 gaacatacaaacgacatcagttgggcaacctgttcacccagcagcgccatgaagaa 259  
|||||  
Db 2810 GGAACAGAAAGTGTAAAGATCTAGGATCCCTTCCACACAGAACATGCAATGAGAGAA 2869  
QY 260 atacgcgtacatgtcgcgtttccgatacagcgagcaagaatccatcccttcgaca 319  
|||||  
Db 2870 ATCACTGAAAACGTGCTGCTTCAAGATCCTGAGCGCGGATTTCACTCCTCGTGTGCG 2929



Db 653 GCGGCCGCCGCC 664

## RESULT 19

US-08-387-942C-18

; Sequence 18, Application US/08387942C  
; Patent No. 5939289

## GENERAL INFORMATION:

APPLICANT: ERTESVAG, HELGA

APPLICANT: VALLA, SVEIN

APPLICANT: SKJAK-BRAEK, GUDMUND

APPLICANT: LARSEN, BJORN

TITLE OF INVENTION: DNA COMPOUNDS COMPRISING SEQUENCES

ENCODING MANNURONAN C-5-EPIMERASE

NUMBER OF SEQUENCES: 52

CORRESPONDENCE ADDRESS:

ADDRESSEE: BIRCH, STEWART, KOLASCH &amp; BIRCH, LLP

STREET: P.O. BOX 747

CITY: FALLS CHURCH

STATE: VA

COUNTRY: USA

ZIP: 22042

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/387, 942C

FILING DATE: 09-MAY-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: MURPHY JR, GERALD M.

REGISTRATION NUMBER: 28,977

REFERENCE/DOCKET NUMBER: 1809-106P

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-205-8000

TELEFAX: 703-205-8050

INFORMATION FOR SEQ ID NO: 18:

SEQUENCE CHARACTERISTICS:

LENGTH: 1155 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-387-942C-18

## Query Match

Best Local Similarity 49.0%; Score 35.2; DB 2; Length 1155;

Matches 94; Conservative 0; Mismatches 98; Indels 0; Gaps 0;

QY 371 tcagccttacgcgcatcattgagcgatagcaacacccatcccgagcgctatgacg 430  
Db 473 TCAACCTGACGATCCGCGACGCTGCGCCACGACACGCTTCGCTGCGCG 532  
QY 431 ggcacagggcgagcgctatccgcctccaaagcgcgagggatatacagctacgaca 490  
Db 533 ACTACCAAGTGGGCGGTGTTCCAGAACACGCTCTGACACACGACCGCGCGCT 592  
QY 491 taaaagcgcttgcccaaatatccgctcaacgtgacggcaacccgagcgagacaac 550  
Db 593 TCAACATCGTCACACGACGACGACTTGTCTGAGCAACAGTCTGCTACGGCAACG 652  
QY 551 ggcctgtgacgc 562  
Db 653 GCGGCCGCCGCC 664

## RESULT 20

US-08-387-942C-21

; Sequence 21, Application US/08387942C

Patent No. 5939289

## GENERAL INFORMATION:

APPLICANT: ERTESVAG, HELGA

APPLICANT: VALLA, SVEIN

APPLICANT: SKJAK-BRAEK, GUDMUND

APPLICANT: LARSEN, BJORN

TITLE OF INVENTION: DNA COMPOUNDS COMPRISING SEQUENCES

ENCODING MANNURONAN C-5-EPIMERASE

NUMBER OF SEQUENCES: 52

CORRESPONDENCE ADDRESS:

ADDRESSEE: BIRCH, STEWART, KOLASCH &amp; BIRCH, LLP

STREET: P.O. BOX 747

CITY: FALLS CHURCH

STATE: VA

COUNTRY: USA

ZIP: 22042

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/387, 942C

FILING DATE: 09-MAY-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: MURPHY JR, GERALD M.

REGISTRATION NUMBER: 28,977

REFERENCE/DOCKET NUMBER: 1809-106P

TELECOMMUNICATION INFORMATION:

TELEPHONE: 703-205-8000

TELEFAX: 703-205-8050

INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERISTICS:

LENGTH: 1155 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

US-08-387-942C-21

## Query Match

Best Local Similarity 49.0%; Score 35.2; DB 2; Length 1155;

Matches 94; Conservative 0; Mismatches 98; Indels 0; Gaps 0;

QY 371 tcagccttacgcgcatcattgagcgatagcaacacccatcccgagcgctatgacg 430  
Db 473 TCAACCTGACGATCCGCGACGCTGCGCCACGACACGCTTCGCTGCGCG 532  
QY 431 ggcacagggcgagcgctatccgcctccaaagcgcgagggatatacagctacgaca 490  
Db 533 ACTACCAAGTGGGCGGTGTTCCAGAACACGCTCTGACACACGACCGCGCGCT 592  
QY 491 taaaagcgcttgcccaaatatccgctcaacgtgacggcaacccgagcgagacaac 550  
Db 593 TCAACATCGTCACACGACGACGACTTGTCTGAGCAACAGTCTGCTACGGCAACG 652  
QY 551 ggcctgtgacgc 562  
Db 653 GCGGCCGCCGCC 664

## RESULT 21

US-08-387-942C-1

; Sequence 1, Application US/08387942C

## GENERAL INFORMATION:

APPLICANT: ERTESVAG, HELGA

APPLICANT: VALLA, SVEIN

APPLICANT: SKJAK-BRAEK, GUDMUND

APPLICANT: LARSEN, BJORN

TITLE OF INVENTION: DNA COMPOUNDS COMPRISING SEQUENCES

TITLE OF INVENTION: ENCODING MANNURONAN C-5-EPIMERASE  
NUMBER OF SEQUENCES: 52  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH, LLP  
STREET: P.O. BOX 747  
CITY: FALLS CHURCH  
STATE: VA  
COUNTRY: USA  
ZIP: 22042  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/387,942C  
FILING DATE: 09-MAY-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: MURPHY JR, GERALD M.  
REGISTRATION NUMBER: 28,977  
REFERENCE/DOCKET NUMBER: 1809-106P  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 703-205-8050  
TELEFAX: 703-205-8000  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 12588 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
ORIGINAL SOURCE:  
ORGANISM: Azotobacter vinelandii  
STRAIN: E  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 290..1951  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 2227..6438  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 6702..9695  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 9973..12588  
US-08-387-942C-1

Query Match 2.1%; Score 35.2; DB 2; Length 12588;  
Best Local Similarity 49.0%; Pred. No. 4.2;  
Matches 94; Conservative 0; Mismatches 98; Indels 0; Gaps 0;

QY 371 teagcccttaacgcgcatcattggagcgatatacgaacaccatccggcgagcgctatagcg 430  
DB 2699 TCACACTGACGATCGGCACACACGCTGGCCACGACACAGCCTCGACGCGCTTCGTCGCG 2758  
QY 431 ggcacagagggcgagcgatcccgctcccaagggcgagggatatacagctacagaca 490  
DB 2759 ACTACCAAGTGGCGGGGCGGTTCGAGAACMACGTCTCTACACACAGACGCGCCACGCGCT 2818  
QY 491 taataaggcgttgcgaataatcgcctcctaacttgcagcaacgcgagcaacgcgagacaac 550  
DB 2819 TCACACTGCTACACACACACGACTTCTCTGAGACACMACGCTCGCTACGCAACG 2878  
QY 551 ggcttgcgacc 562  
DB 2879 GCGGCGCGCGCC 2890

RESULT 22  
US-08-732-412-1/c

Sequence 1, Application US/08732412  
Patent No. 6017866  
GENERAL INFORMATION:  
APPLICANT: Aehle, Wolfgang  
APPLICANT: Gerltse, Gijbert  
APPLICANT: Lenting, Hermannus  
TITLE OF INVENTION: LIPASES WITH IMPROVED  
SURFACTANT RESISTANCE  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genencor International, Inc.  
STREET: 925 Page Mill Road  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304-1013  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/732,412  
FILING DATE: 22-OCT-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP95/01687  
FILING DATE: 28-APR-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP 94201253.5  
FILING DATE: 04-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Stone, Christopher L.  
REGISTRATION NUMBER: 35,696  
REFERENCE/DOCKET NUMBER: GC307-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-845-6504  
TELEFAX: 650-845-7620  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 942 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-732-412-1

Query Match 2.0%; Score 34.2; DB 3; Length 942;  
Best Local Similarity 46.2%; Pred. No. 1.7;  
Matches 114; Conservative 0; Mismatches 133; Indels 0; Gaps 0;

QY 903 tggcgacagagcgatagagcgctcagcaatatcttaccgagtcacatcccgtaacagg 962  
DB 691 TGCGGCTCCGAGTAGTAGTACTGACGCCATTGACTTGTAGGCGCCTTGCGCGACGCAAC 632  
QY 963 gattgagagctgtcggggaataatagcgttggcgcatcaggaacatcctgtcaagcg 1022  
DB 631 TGATGGGAATGCCCTCGGATTAATTGCGTTGAAGCGCGCGGCGCTCACTGTTGAGCG 572  
QY 1023 gtgcagatggggcgagatgcattgcggaaggaatcgcgcgttaaggaacatttgc 1082  
DB 571 ATTGAGGCGGCCACAGGCGCTTCTGCGGCGCTGTCTGAGAGCTGCGGAGAGGAAGTTGA 512  
QY 1083 cgtatgcgagtaacccgtaacatcccttaccattccggaatatcgttcaactt 1142  
DB 511 TCACGCGCGCCAGCGCTTACATGCGCGGCGGCGGCGGCGGCGGCGGCGGCGG 452  
QY 1143 ggaagcag 1149  
DB 451 GGATCTG 445

RESULT 23  
US-08-387-942C-20

```

; Sequence 20, Application US/08387942C
; Patent No. 5939289
; GENERAL INFORMATION:
; APPLICANT: ERTESVAG, HELGA
; APPLICANT: VALA, SVEIN
; APPLICANT: SKJAK-BRAEK, GUDMUND
; APPLICANT: LARSEN, BJORN
; TITLE OF INVENTION: DNA COMPOUNDS COMPRISING SEQUENCES
; TITLE OF INVENTION: ENCODING MANNURONAN C-5-EPIMERASE
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIRCH, STEWART, KOLASCH & BIRCH, LLP
; STREET: P.O. BOX 747
; CITY: FALLS CHURCH
; STATE: VA
; COUNTRY: USA
; ZIP: 22042
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/387,942C
; FILING DATE: 09-MAY-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MURPHY JR, GERALD M.
; REGISTRATION NUMBER: 28,977
; REFERENCE/DOCKET NUMBER: 1809-106P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-205-8000
; TELEFAX: 703-205-8050
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1155 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-387-942C-20

```

```

Query Match      2.0%; Score 33.6; DB 2; Length 1155;
Best Local Similarity 48.4%; Pred. No. 2.9;
Matches 93; Conservative 0; Mismatches 99; Indels 0; Gaps 0;

QY 371 tcagccttaccgcatcattggtgagcagatacgaacacccacccgagcgatagacg 430
Db 473 TCAACCTGACGATCGCGACAGCGTGGCCACGACACAGCGCTTCGACGCGTTCGCGCG 532
QY 431 ggcacagggcgagcgatcccgctcccaagcgcgagagatatatacagctacgaca 490
Db 533 ATTTCGAGATCGCGGGGTGTTGACGACACAGCTTCGTCAACACACACGCGCGCGCT 592
QY 491 taaaggcgctgcccacaaataatccgctcaacctgacccgacacgagcagcgagcaac 550
Db 593 TCAACATCGTCACGACGACACGACGACTTCCTCTGAGCAACACGCTTCGCGCAACG 652
QY 551 gactgtcgagc 562
Db 653 GCGGCGCGCGCC 664

```

```

RESULT 24
US-07-841-654B-1
; Sequence 1, Application US/07841654B
; Patent No. 5260209
; GENERAL INFORMATION:
; APPLICANT: Campbell, Kevin P.
; APPLICANT: Ibrahimov-Beskovnaya, Oxana
; APPLICANT: Ervasti, James M.
; APPLICANT: Leveille, Cynthia J.

```

```

; APPLICANT: Matsumura, Kichiro
; TITLE OF INVENTION: DNA ENCODING DYSTROPHIN-ASSOCIATED
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/841,654B
; FILING DATE: 19920220
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Brook, David E.
; REGISTRATION NUMBER: 22,592
; REFERENCE/DOCKET NUMBER: UIRF89-11AA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 861-6240
; TELEFAX: 617 861-9540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4200 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 170..2855
; US-07-841-654B-1

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Query Match      2.0%; Score 33.6; DB 1; Length 4200;
Best Local Similarity 52.1%; Pred. No. 6.5;
Matches 75; Conservative 0; Mismatches 69; Indels 0; Gaps 0;

QY 1496 atgagatattgtaaaatttgtaagtgaatgagtaaaaggtccatcaagaactaaagtc 1555
Db 3287 ATGTACATGGAAGAAACAGTACCTTAAGATTAAATTCAGGACTTTCAGAGTTAGGTT 3346
QY 1556 aagaattgtaattgagatgtaattgcttaaaacaggaagagacattgtagtgcta 1615
Db 3347 AAGTTTACATTAACTCTGCTGTTTACCTAACTGTATGTTAATTTTGGTGGGTA 3406
QY 1616 gtaggagatgtaagcatttaata 1639
Db 3407 TGGGGAATGCTTTGCTAAAAATA 3430

```

```

RESULT 25
US-07-946-234A-1
; Sequence 1, Application US/07946234A
; Patent No. 5308752
; GENERAL INFORMATION:
; APPLICANT: Campbell, Kevin P.
; APPLICANT: Matsumura, Kichiro
; TITLE OF INVENTION: DIAGNOSIS OF AUTOSOMAL MUSCULAR DYSTROPHY
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS
; STREET: 2 Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: US
; ZIP: 02173

```

1

\_\_\_\_\_



Db 3928499 cggcgcgcaaggtggaacgcggaacagcggaacttgggtggaagcggaagccgg 3928558  
Qy 873 catcccgatggcgatccaaaccccaatgcccacagaagcatagaagccgtcagcaa 932  
Db 3928559 ctccagcgcgcgcgcg-----gtgcaacagcgcgcgtagcgcgcgcgccgcaaa 3928612  
Qy 933 tatcttcagcgagcatcccgctcaaaaggaattgagctgttcgggaaataagcgtt 992  
Db 3928613 tggcggaacgcggaacgcggtggtatggtgagcgcggtgcaaggaatgagcg 3928672  
Qy 993 gggcggaatagcggaacatctctcaagcggtcgagatggcggaatcgatcgcaaa 1052  
Db 3928673 tggcggaacgcggaacgcggtggtatggtgagcgcggtgcaaggaatgagcg 3928732  
Qy 1053 agggaaatcccgctcagcg 1072  
Db 3928733 aggtggaagcgcgcgagcg 3928752

RESULT 30  
US-09-105-390-37  
; Sequence 37, Application US/09105390  
; Patent No. 6288303  
; GENERAL INFORMATION:  
; APPLICANT: Rodriguez, Raymond  
; TITLE OF INVENTION: Rice Beta-Glucanase Enzymes  
; NUMBER OF SEQUENCES: 66  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Dehlinger & Associates  
; STREET: 350 Cambridge Ave., Suite 250  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94306  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; OPERATING SYSTEM: IBM Compatible  
; SOFTWARE: FASTSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/105,390  
; FILING DATE: Filed herewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/050,675  
; FILING DATE: 25-JUN-97  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Petithory, Joanne R.  
; REGISTRATION NUMBER: P42,995  
; REFERENCE/DOCKET NUMBER: 2000-0455.30  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-324-0880  
; TELEFAX: 650-324-0960  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 37:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 909 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURE:  
; NAME/KEY: Coding Sequence  
; LOCATION: 1...909  
; OTHER INFORMATION:  
; US-09-105-390-37

Query Match 2.0%; Score 33; DB 4; Length 909;  
Best Local Similarity 47.0%; Pred. No. 3.8;  
Matches 102; Conservative 0; Mismatches 115; Indels 0; Gaps 0;

Qy 515 gctcaacctgacgcagacacccgcagcacccggaacggttgcacggtttccacaata 574  
Db 77 GCATCAACGGCATCGCATCTACTACCCGACAAAGAGGGCGTCAACGCCCTCGCAACT 136  
Qy 575 ccggtatgatctgacgaagagtagcgagatccaacgagccacccgataagc 634  
Db 137 CCGGATGCGCCCTCATCTCTCAGCGTCGCGCACGTTGTCCAACTTCGCCGCACTCT 136  
Qy 635 ccgagctgagacagatgcggcaatgcgcgcgaagcttcaacggaactgacagatactca 694  
Db 197 CCAGCCGCGCGCGTGGTGGTCCGACCAACAGTCAGGCCCTACTACCGCGCGTAAACATCA 256  
Qy 695 aaacatcatcgcgcggaagagaatgtgcgcg 731  
Db 257 AGTACATCGCGCGTGGCGCAACGAGTGGAAGCGCGCGC 293

RESULT 31  
US-09-105-390-53  
; Sequence 53, Application US/09105390  
; Patent No. 6288303  
; GENERAL INFORMATION:  
; APPLICANT: Rodriguez, Raymond  
; TITLE OF INVENTION: Rice Beta-Glucanase Enzymes  
; NUMBER OF SEQUENCES: 66  
; CORRESPONDENCE ADDRESSES:  
; ADDRESSEE: Dehlinger & Associates  
; STREET: 350 Cambridge Ave., Suite 250  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94306  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; OPERATING SYSTEM: IBM Compatible  
; SOFTWARE: FASTSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/105,390  
; FILING DATE: Filed herewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/050,675  
; FILING DATE: 25-JUN-97  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Petithory, Joanne R.  
; REGISTRATION NUMBER: P42,995  
; REFERENCE/DOCKET NUMBER: 2000-0455.30  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-324-0880  
; TELEFAX: 650-324-0960  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 53:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 996 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURE:  
; NAME/KEY: Coding Sequence  
; LOCATION: 1...996  
; OTHER INFORMATION:  
; US-09-105-390-53

Query Match 2.0%; Score 33; DB 4; Length 996;  
Best Local Similarity 47.0%; Pred. No. 4;  
Matches 102; Conservative 0; Mismatches 115; Indels 0; Gaps 0;  
Qy 515 gctcaacctgacgcagacacccgcagcacccggaacggttgcacggtttccacaata 574  
Db 164 GCATCAACGGCATCGCATCTACTACCCGACAAAGAGGGCGTCAACGCCCTCGCAACT 223



QY 575 ccgagtagatgctgacgcaagagtagcgagcagattcaaacgcccagatacagcc 634  
|||||  
Db 224 CCGGTATCGCCCTCATCTCTGACGCTCGGACCAAGTTGTCCAACTCGCGCAGCTCTT 283  
QY 635 ccgagctgtagcagatcgagcaatgcccgcgaagcttcaacgagcactgacatagctca 694  
|||||  
Db 284 CCAAGCCGGCCCGGTGGGTCCGGACAACTCAGGCCCTACTACCGCGCGCTCAACATCA 343  
QY 695 aaacatcatcgccgagcgagcgaggaattgctggcgc 731  
|||||  
Db 344 AGTACATCGCCGTGGACACAGAGTGAGAACGCGCGCC 380

## RESULT 32

US-09-105-390-3  
; Sequence 3, Application US/09105390  
; Patent No. 6288303

## GENERAL INFORMATION:

APPLICANT: Rodriguez, Raymond  
TITLE OF INVENTION: Rice Beta-Glucanase Enzymes  
TITLE OF INVENTION: and Genes  
NUMBER OF SEQUENCES: 66  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Dehlinger & Associates  
STREET: 350 Cambridge Ave., Suite 250  
CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94306

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

OPERATING SYSTEM: IBM Compatible

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/105,390

FILING DATE: Filed herewith

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/050,675

FILING DATE: 25-JUN-97

ATTORNEY/AGENT INFORMATION:

NAME: Pelthory, Joanne R.

REGISTRATION NUMBER: P42,995

REFERENCE/DOCKET NUMBER: 2000-0455.30

TELECOMMUNICATION INFORMATION:

TELEPHONE: 650-324-0880

TELEFAX: 650-324-0960

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 2317 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-09-105-390-3

Query Match

Best Local Similarity 47.0%; Score 33; DB 4; Length 2317;

Matches 102; Conservative 0; Mismatches 115; Indels 0; Gaps 0;

QY 515 gctcaacctgacgcaagcagcgagcagcaaacgctgtgacccgtttccacata 574

Db 1482 GCATCAAGGATGCGCATCTACTACCCGACAAAGAGGCGCTCAACGCCCTGCGCACT 1541

QY 575 ccgagtagatgctgacgcaagagtagcgagcagattcaaacgcccagatacagcc 634

Db 1542 CCGGTATCGCCCTCATCTCTGACGCTCGGACCAAGTTGTCCAACTCGCGCAGCTCTT 1601

QY 635 ccgagctgtagcagatcgagcaatgcccgcgaagcttcaacgagcactgacatagctca 694

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|||||

Db 1602 CCAAGCCGGCCCGGTGGGTCCGGACAACTCAGGCCCTACTACCGCGCGCTCAACATCA 1661

QY 695 aaacatcatcgccgagcgagcgaggaattgctggcgc 731

Db 1662 AGTACATCGCCGTGGACACAGAGTGAGAACGCGCGCC 1698

## RESULT 33

US-09-025-691-4/c  
; Sequence 4, Application US/09025691  
; Patent No. 6069299

## GENERAL INFORMATION:

APPLICANT: Broadway, Roxanne M.

APPLICANT: Harman, Gary E.

TITLE OF INVENTION: FUNGUS AND INSECT CONTROL WITH

TITLE OF INVENTION: CHITINOLYTIC ENZYMES

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP

STREET: Clinton Square, P.O. Box 1051

CITY: Rochester

STATE: New York

COUNTRY: U.S.A.

ZIP: 14603

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/025,691

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Goldman, Michael L.

REGISTRATION NUMBER: 30,727

REFERENCE/DOCKET NUMBER: 19603/20120

TELECOMMUNICATION INFORMATION:

TELEPHONE: (716) 263-1304

TELEFAX: (716) 263-1600

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 2712 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

US-09-025-691-4

Query Match

Best Local Similarity 53.5%; Score 33; DB 3; Length 2712;

Matches 69; Conservative 0; Mismatches 60; Indels 0; Gaps 0;

QY 345 tgaagccgtagtcccgtagcagagatcagccttaccgcatccattggagcagatacga 404

Db 959 TGGTGTAGGAGGCGCTGGGCTCGCGCGCTCGGCGGCTCGGCGGCGGCGCGGCGGCG 900

QY 405 acaacatccgagcagcgagcagcagcagcagcagcagcagcagcagcagcagcagcagc 464

Db 899 CGACCATCCCGGGAAGGAGGAGCCGAGGCGGAGGCGGAGGCGGAGGCGGAGGCGGAG 840

QY 465 ccgagagga 473

Db 839 AGCGGCTGA 831

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APPLICANT: Rostock, Paul R., Jr.  
APPLICANT: Sutton, Kimberly L.  
TITLE OF INVENTION: POLYKETIDE SYNTHASE GENES  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS: 1501  
ADDRESSER: THOMAS G. PLANT  
STREET: LILLY CORPORATE CENTER  
CITY: INDIANAPOLIS  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: ASCII(DOS) Text only  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/804,227C  
FILING DATE: February 21, 1997  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Plant, Thomas, G.  
REGISTRATION NUMBER: 35,784  
REFERENCE/DOCKET NUMBER: X-8231  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 317-276-2459  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 13987 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 350..13987  
US-08-804-227C-13

Query Match 1.9%; Score 32.2; DB 2; Length 13987;  
Best Local Similarity 48.1%; Pred. No. 37;  
Matches 91; Conservative 0; Mismatches 98; Indels 0; Gaps 0;  
QY 380 accgcatcattggagcgatagacacacaccccgccgagcgtatagcggccacag 439  
Db 13608 AGCTCCACCGCGCCGACGAGGATCGACGCCATCTCCGGAAGGGTCGTCGGCTCGATC 13549  
QY 440 gcggcgagctatccgcctcccaaggcgagagatatatacagctacgacataaaggcg 499  
Db 13548 TCCGCGCGCGACGCGGTAGCCGAGGACCTCGCGACCTGTTGCGTACGACCTCAAGGACG 13489  
QY 500 ttgcccataatcgcgcctcaactgacgcgaacccgacgacgcggaacggcttgcg 559  
Db 13488 GCCGGGAGACGCTCCGCCGCTTCAGAGTCCACACATCCCTGCGAGGCGTCCCGCACGCGGG 13429  
QY 560 accgttcc 568  
Db 13428 TCCGCGCTCC 13420  
RESULT 40  
US-08-804-227C-7/c  
Sequence 7, Application US/08804227C  
Patent No. 5876991  
GENERAL INFORMATION:  
APPLICANT: Dehoff, Bradley S.  
APPLICANT: Kuntz, Stuart A.  
APPLICANT: Rostock, Paul R., Jr.  
APPLICANT: Sutton, Kimberly L.  
TITLE OF INVENTION: POLYKETIDE SYNTHASE GENES  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSER: THOMAS G. PLANT 1501

STREET: LILLY CORPORATE CENTER  
CITY: INDIANAPOLIS  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: ASCII(DOS) Text only  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/804,227C  
FILING DATE: February 21, 1997  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Plant, Thomas, G.  
REGISTRATION NUMBER: 35,784  
REFERENCE/DOCKET NUMBER: X-8231  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 317-276-2459  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 44377 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 350..14002  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 14046..20036  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 20110..31284  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 31329..36071  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 36155..41830  
US-08-804-227C-7

Query Match 1.9%; Score 32.2; DB 2; Length 44377;  
Best Local Similarity 48.1%; Pred. No. 77;  
Matches 91; Conservative 0; Mismatches 98; Indels 0; Gaps 0;  
QY 380 accgcatcattggagcgatagacacacaccccgccgagcgtatagcggccacag 439  
Db 13623 AGCTCCACCGCGCCGACGAGGATCGACGCCATCTCCGGAAGGGTCGTCGGCTCGATC 13564  
QY 440 gcggcgagctatccgcctcccaaggcgagagatatatacagctacgacataaaggcg 499  
Db 13563 TCCGCGCGCGACGCGGTAGCCGAGGACCTCGCGACCTGTTGCGTACGACCTCAAGGACG 13504  
QY 500 ttgcccataatcgcgcctcaactgacgcgaacccgacgacgcggaacggcttgcg 559  
Db 13503 GCCGGGAGACGCTCCGCCGCTTCAGAGTCCACACATCCCTGCGAGGCGTCCCGCACGCGGG 13444  
QY 560 accgttcc 568  
Db 13443 TCCGCGCTCC 13435

RESULT 41  
US-08-804-198-1/c  
Sequence 1, Application US/08804198  
Patent No. 5945320  
GENERAL INFORMATION:  
APPLICANT: Burgett, Stanley G.  
APPLICANT: Kuntz, Stuart A.

APPLICANT: Rao, Nagendra R.  
APPLICANT: Richardson, Mark A.  
APPLICANT: Rostock, Paul R., Jr.  
TITLE OF INVENTION: PLATENOLIDE SYNTHASE GENE  
NUMBER OF SEQUENCES: 6  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: PAUL R. CANTRELL 1138  
STREET: LILLY CORPORATE CENTER  
CITY: INDIANAPOLIS  
STATE: IN  
COUNTRY: USA  
ZIP: 46285  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: Macintosh  
OPERATING SYSTEM: Macintosh 7.0  
SOFTWARE: Microsoft Word 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/804,198  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: CANTRELL, PAUL R.  
REGISTRATION NUMBER: 36,470  
REFERENCE/DOCKET NUMBER: P9113  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 317-276-3885  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4437 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 350..14002  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 14046..20036  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 20110..31284  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 31329..36071  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 36155..41830  
US-08-804-198-1

Query Match 1.9%; Score 32.2; DB 2; Length 44377;  
Best Local Similarity 48.1%; Pred. No. 77;  
Matches 91; Conservative 0; Mismatches 98; Indels 0; Gaps 0;  
QY 380 accgatcatcattgagcagatacaaacacccatcccgccgagcgctatgaagcgccacagg 439  
DB 13623 AGCTCCACCGCGCCGAGGAGTGCAGCCGCGATCTCCGGAGGAGTCTGCTCCGCTCGATC 13564  
QY 440 gcggcgctatcccgctcccaagcgcgagagatatatacagctacgaataaagcg 499  
DB 13563 TCCGCGCGCGAGCGGTAGCCGAGGACCTCGGCGACTGTTCGTGACCAAGTCAAGGACG 13504  
QY 500 ttgcccataatatacgcctcaactgaacgcaacacgacgacacgacgctgtcg 559  
DB 13503 GCCCGGAGACCTCCGCGCTTCGAGTGCACCATCTCTGCGAGGCGTCCCGACCGGGG 13444  
QY 560 accgtttcc 568  
DB 13443 TCCGCTTC 13435

RESULT 42  
US-08-948-197-2/c  
Sequence 2, Application US/08948197  
Patent No. 5952175  
GENERAL INFORMATION:  
APPLICANT: Yue, Henry  
APPLICANT: Corley, Neil C.  
APPLICANT: Shah, Purvi  
TITLE OF INVENTION: HUMAN PROGESTERONE RECEPTOR COMPLEX  
TITLE OF INVENTION: P23-LIKE PROTEIN  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Dr.  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/948,197  
FILING DATE: Filed Herewith  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0408 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-855-0555  
TELEFAX: 650-845-4166  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 559 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: SININOT04  
CLONE: 2923091  
US-08-948-197-2

Query Match 1.9%; Score 32; DB 2; Length 559;  
Best Local Similarity 50.7%; Pred. No. 5.7;  
Matches 77; Conservative 0; Mismatches 75; Indels 0; Gaps 0;  
QY 693 caaaaatataatcgcgcgcagagaaattgtcgcgcgcagcgatgcggtgatat 752  
DB 237 CAAAACAAAGTAATAGAGCGGAGAGCGCTTATCTCGGAGTCTTGAGTTCACTTGG 178  
QY 753 aagcgagcgctcaaacattcgtatgcagcgcttggtctgcttccacccgaacaa 812  
DB 177 CATAGAACTAATCTCATTTTACACTCCACTCATTCGCGCATTTTGCAGCTGACACAA 118  
QY 813 gatgcgcgcataacgatttgacagatatg 844  
DB 117 TGGGATGATCTTCATATAGACAGTGCAGCATCG 86  
RESULT 43  
US-08-581-148C-3/c  
Sequence 3, Application US/08581148C  
Patent No. 6060644  
GENERAL INFORMATION:  
APPLICANT: Schnable, Patrick S.  
APPLICANT: Robertson, Donald S.  
APPLICANT: Hansen, Joel D.

APPLICANT: Nikolau, Basil J.  
APPLICANT: Xu, Xiaojie  
APPLICANT: Xia, Yijie  
TITLE OF INVENTION: ISOLATION AND USE OF CUTICULAR LIPID  
TITLE OF INVENTION: GENES  
NUMBER OF SEQUENCES: 30  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Leydig, Volt & Mayer, Ltd.  
STREET: Two Prudential Plaza, Suite 4900  
CITY: Chicago  
STATE: IL  
COUNTRY: US  
ZIP: 60601-6780  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/581,148C  
FILING DATE: 29-DEC-1995  
CLASSIFICATION: 800  
ATTORNEY/AGENT INFORMATION:  
NAME: Larcher, Carol  
REGISTRATION NUMBER: 35243  
REFERENCE/DOCKET NUMBER: 71380  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (312) 616-5600  
TELEFAX: (312) 616-5700  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1138 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA (genomic)  
US-08-581-148C-3

Query Match 1.9%; Score 32; DB 3; Length 1138;  
Best Local Similarity 55.4%; Pred. No. 8.9;  
Matches 62; Conservative 0; Mismatches 50; Indels 0; Gaps 0;  
QY 256 ggaatatcgctacatgttcgctttccgatacggagcgagccatccccc 315  
DB 349 GGAATACGGCGCGGAGCTTGTCCGGGTTGCCGCGACGACGAGCGCGGAGGC 290  
QY 316 gacacacatgctcaccatctgcatgaagcggtagtcgggtgagc 367  
DB 289 GCGGAGCGGGAAGCGGATGGCGCGCGGATGCCGTGGCGCGGTGAAG 238  
RESULT 44  
US-09-056-556-201/C  
Sequence 201, Application US/09056556  
Patent No. 6350456  
GENERAL INFORMATION:  
APPLICANT: Reed, Steven G.  
APPLICANT: Skeiky, Yasin A.W.  
APPLICANT: Dillon, David C.  
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE PREVENTION AND  
NUMBER OF SEQUENCES: 241  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SEED and BERRY LLP  
STREET: 6300 Columbia Center, 701 Fifth Avenue  
CITY: Seattle  
STATE: Washington  
COUNTRY: USA  
ZIP: 98104-7092  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/056,556  
FILING DATE: 07-APR-1998  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Makl, David J.  
REGISTRATION NUMBER: 31,392  
REFERENCE/DOCKET NUMBER: 210121.457  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (206) 622-4900  
TELEFAX: (206) 682-6031  
INFORMATION FOR SEQ ID NO: 201:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2367 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-09-056-556-201

Query Match 1.9%; Score 32; DB 4; Length 2367;  
Best Local Similarity 51.4%; Pred. No. 14;  
Matches 74; Conservative 0; Mismatches 70; Indels 0; Gaps 0;  
QY 593 aagagtagcgagcgagatcaacgcccagatacagcccgagctgagacatcg 652  
DB 198 ACGGTGCGACGCGCGGATCGTGGGCGGTGAGTGGAGTGGGCGGTGACGCGG 139  
QY 653 gcaatcgccgagcgatctcaacgagcactgcaagatatcgttaaaatcatctcgcg 712  
DB 138 GCAACGCGCGGTCCGCGTGGCAACGCCAGTACTTTTGGGATGAGAACTCATCGCGGG 79  
QY 713 cagagaatatttcgagcgagcg 736  
DB 78 CCGCGCGGAGCGGCGGCAACGCGG 55

RESULT 45  
US-09-014-416-4/C  
Sequence 4, Application US/09014416  
Patent No. 6153421  
GENERAL INFORMATION:  
APPLICANT: Yanagi, Masayuki  
APPLICANT: Bukh, Jens  
APPLICANT: Emerson, Susanne U.  
TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND  
FILE REFERENCE: 20264276  
CURRENT APPLICATION NUMBER: US/09/014,416  
CURRENT FILING DATE: 1998-01-27  
EARLIER APPLICATION NUMBER: US 60/053,062  
EARLIER FILING DATE: 1997-07-18  
NUMBER OF SEQ ID NOS: 65  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 4  
TYPE: DNA  
ORGANISM: Hepatitis C virus  
US-09-014-416-4

Query Match 1.9%; Score 32; DB 3; Length 9595;  
Best Local Similarity 50.7%; Pred. No. 34;  
Matches 77; Conservative 0; Mismatches 75; Indels 0; Gaps 0;  
QY 396 cgagtagaacacatcccgccgagcgatagcgccacagggcgcggtatccgc 455  
DB 5970 CGGTGAGGCGACCTCGCGCTCATGACCTTAAGCGCACGAGTGGCGCGGTACCCCTG 5911  
QY 456 tcccaagcgcgagagatatatacagctagacataaaggcggtgcccaaatatcg 515

Mon Jul 1 09:26:01 2002

us-09-303-518d-465.rni

Page 23

DB 5910 CCCCATAGCCCGCCAGATGTCCACAGACACTTCCCAAGGCTATGCTGCCAACACCG 5851  
OY 516 cctcaacctgacgacgacaacgacgacgacgac 547  
DB 5850 CTCCGGCGATGCTCCGCGCCGCGCCACGAAAGCTGAC 5819

Search completed: July 1, 2002, 01:19:33  
Job time: 102098 sec

